Roland

SINCE 2004

OVER 10.000
V-ACCORDIONS SOLD

StudioHammer

www.roland.com

V-Accordion®

Flexability

DIGITAL FLEXIBILITY FOR YOUR MUSIC ABILITY

FR-7x

FR-7x W

FR-3x

FR-3x W

FR-2

FR-1

FR-7xb

FR-7xb W

FR-3xb

FR-3xb W

FR-2b

FR-1b

V-Accordion®

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Note: in the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

RAM-4655 605.00.0215.01 RAMRES 806-10

Roland

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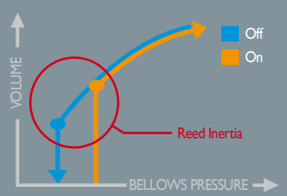
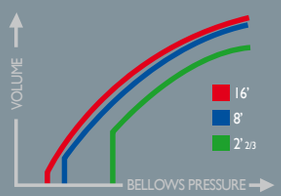
The Technology

PBM (Physical Behaviour Modelling)
At the heart of the V-Accordion is Roland's new, proprietary PBM sound engine and modelling technology. Physical Behaviour Modelling uses complex algorithms to accurately recreate an acoustic accordion's sound characteristics. The result is a faithful simulation of the actual physical behaviour and expressive nuances of an acoustic instrument.

Bellows Movement Modelling
PVA (Pressure Variant Amplifier)
This function controls the dynamics of each reed sound, based on the high-resolution bellows pressure sensor. Starting and stopping, hysteresis threshold, inertia, expression curve, and volume are all individually programmed to reproduce a true free-reed sound.



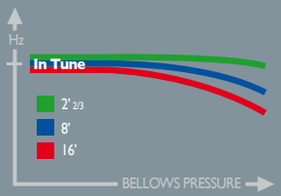
Hysteresis Thresholds



Expression Curve

PVF (Pressure Variant Filter)
The tone colour of each reed sound is also shaped in real-time by the dedicated DSP (Digital Signal Processor), responding accurately to each expressive playing nuance applied by the bellows.

PVP (Pressure Variant Pitch)
The pitch of each simulated reed is varied individually. As the bellows is pushed or pulled more forcefully, the sound becomes fatter and richer, because each simulated reed exhibits a "natural" tendency to go out of tune.



Musette Tuning
Based on extensive research of the different tuning types used throughout the world the V-Accordion's note-by-note micro-tuning feature allows a V-Accordion to authentically reproduce many different accordion types for various genres of music.

V-Accordion Line-up Piano-type Treble Keyboard Models

Sergio Scappini

Roland is pleased to introduce another milestone in digital musical instrument history– the V-Accordion with piano type treble keyboards. This line-up is the first to successfully integrate cutting-edge digital technology, such as our proprietary "Physical Behaviour Modelling" (PBM), into a traditional accordion design, offering performance features and authentic sounds perfect for a wide range of musical styles.

The Roland V-Accordion series of piano type instruments comprises 4 models and 4 colour variations: FR-7x (black, red), FR-7x WHITE, FR-3x (black), FR-3x WHITE, FR-2 (grey, white), FR-1 (white).
The flagship, the FR-7x, provides 41 velocity-sensitive piano-type keys with aftertouch, 120 bass buttons, 80 Accordion sets, and a Master bar. The lightweight and portable FR-3x is fitted with 37 velocity-sensitive keys. How about treating yourself to something exclusive? With WHITE version you are sure to stand out from the crowd: the elegant pearl-white cabinet and gorgeously decorated bellows are complemented with highly attractive accessories (shoulder straps, bass strap, back pad and bellows clips) made of real leather and Alcantara®. The lightweight and flexible FR-2 and the FR-1 are ideal for young students and stage performers.
Thanks to their sound quality, small size, attractive price, they set a new standard in learning and live performance.

The V-Accordion offers selectable Bass & Chord modes (7 modes: 2 Bass Rows, 3 Bass Rows A7th, 3 Bass Rows A5dim, 3 Bass Rows B7th, 3 Bass Rows B5dim, 3 Bass Rows Belgium) and Free Bass modes (5 modes: Minor 3rd, Bajan, Fifth, N.Europe, Finnish).

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Roland
V-Accordion

FR-7x TOP CLASS

elegance and total flexibility

LCD display

Bellows Resistance Regulator

USB Flash Memory

Fast response and high sensitivity
Thanks to Roland's newly-developed sound generator, which is optimized for Accordion performance, the FR-7x will satisfy the most demanding accordion players. You will be impressed by the fast response of the keys/buttons, the higher sensitivity and precision, and the detection of bellows opening/closing with new bellows pressure-sensor circuitry. Thanks to this new technology, accordionists can feel perfectly at ease when playing their music, especially once they have experienced the enhanced response of this instrument.

Super Realistic Accordion Simulations
The FR-7x has 41 keys (with velocity and aftertouch), 120 velocity-sensitive bass buttons (6 bass & chord modes and 5 free bass modes to suit your playing style) and can simulate up to 80 different accordion instruments each including 14 treble registers, 26 orchestral sounds, 7 bass & chord registers, 7 free bass registers, 7 orchestral free bass, 7 orchestral bass registers, and 7 orchestral chord registers.
Thanks to the Bass to Treble mode the FR-7x can be used like a "Bassoon Accordion". In this mode the bass part is played with the right hand (the bass and chord buttons are inactive). Moreover the programmable Drum function allows you to play percussion sounds with the Bass & Chord buttons.
There's even a unique Bellows Resistance Regulator that can be set to match the player's strength or preference. Increasing or decreasing the bellow's inertia is simply a matter of selecting one of four positions on a conveniently located wheel.

...and organ simulations
Thanks to the Virtual Tone Wheel sound engine, the FR-7x allows you to play amazing organ sounds, by using Treble (upper), Chord/Free Bass (lower) and Bass (pedal) sections.
Virtual Tone Wheel controls will allow you to personalize your organ sounds to satisfy every musical genre.

USB host port onboard
Easy data storage, handy customization of V-Accordion sound-sets to satisfy special accordion/orchestra demands from different countries, and easy to upload software versions, thanks to the USB Flash Memory. What's more, you can manage MP3 and Wav files and even record your performances in Wav format on the optional USB Flash Memory. Playback and record functions are perfect for educational use, and enhance live performance too.

Battery-powered instrument with built-in speakers
Though the FR-7x is a fully digital instrument, it's also an all-in-one instrument, i.e. you do not need to connect it to any amplifier to produce sounds. Its onboard amplification system is powerful enough for small venues, restaurants, pubs… Furthermore, the FR-7x comes with a rechargeable battery, so that you do not need to connect it to a power outlet. It goes far beyond the control possibilities of a MIDI keyboard with optional performance functions.

FR-7x WHITE

The exclusive, special edition, pearl-white FR-7x piano-type is the star of the piano-keyboard V-Accordion series. Lightweight, compact, and equipped with the same features as the standard FR-7x piano-type, the "WHITE" model looks gorgeous, with a beautifully decorated bellows and genuine leather and Alcantara® straps. With 41 velocity-sensitive keys, 120 velocity-sensitive bass buttons (7 bass & chord modes and 5 free bass modes to suit your playing style), super realistic traditional accordion and orchestra sounds, this bellows instrument feels truly "real", while providing a host of digital advantages: perfect flexibility, MIDI, a headphone socket, and a metronome, to name but a few.

- Pearl White coloured cabinet
- Two-toned bellows: white/purple red
- Shoulder strap: leather/Alcantara®
- Bass Strap: leather/Alcantara®
- Bellows Clips: leather
- Back pad: Alcantara®

All other features of the FR-7x piano-type WHITE are the same as those of the FR-7x piano-type.

Alcantara® is a registered trademark of Alcantara Spa, Italy.

Shoulder straps: leather/ Alcantara®

Two-toned bellows: white/purple red

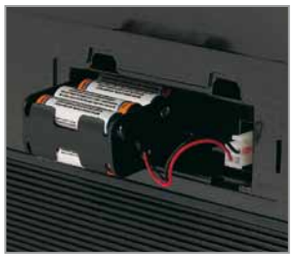
Bellows Clips: leather

FR-3x COMPACT CLASS

compact is better

LCD display

USB host port on board



Compartment for optional
AA-type batteries (rechargeable)

The perfect combination of the familiar sounds and nuances of a traditional accordion combined with the advantages of a versatile digital instrument. Thanks to the new bellows pressure sensing circuitry, the FR-3x grants faster response and higher sensitivity and precision plus detection of bellows opening/closing. The USB host allows to customize orchestra and accordion sounds and to save/load user program data, while the bellows resistance regulator allows to control the handiness of the bellows. Lightweight and portable the FR-3x is perfect for students, accordion hobbyists, but also stage performers.

- Faster response and higher sensitivity of the bellows thanks to the new bellows sensor.
- Bellow Resistance Regulator to adjust the bellows'inertia.
- USB Flash Memory connector to store/upload your settings and manage MP3 and Wav files.
- Powerful onboard amplification system.
- Super realistic accordion simulations.
- Drum parts to be played with your left hand.
- MIDI external control.
- It can be powered using 10 commercially available rechargeable Ni-MH batteries.

Sophisticated bellows response
Faster response and higher sensitivity and precision plus detection of bellows opening/closing with new bellows pressure sensing circuitry. A bellows resistance regulator knob allows you to adjust the bellows' inertia to your preference.

Super realistic accordion simulations
All sounds the FR-3x produces were obtained by sampling popular traditional acoustic accordions. This V-Accordion allows you to switch from an Italian jazz accordion to German folk, French musette or Russian bajan sound – without changing your technique. Also the Virtual Tone Wheel is available to play amazing organ sounds in almost the same way as an organ player using the treble section. You can add a rotary effect (slow/fast). Besides enjoy using the FR-3x to play simply drum parts with your left hand (bass and chord sections).

Stand-alone electronic instrument
Though the FR-3x is a fully electronic instrument, you do not need to connect it to an amplifier in order to produce sounds. Its onboard amplification system is for small venues, restaurants, etc.
The FR-3x can also be powered using 10 commercially available rechargeable Ni-MH batteries, so that you don't need to connect it to a wall outlet.

Save your settings to a USB storage device
You can save your settings by connecting an optional USB memory to the FR-3x's USB port. Also the USB host allows you to customize orchestra and accordion sounds and to save/load the user program data. What's more, you can play MP3 and Wav files

Superb performance flexibility
The FR-3x allows you to control external MIDI-compatible instruments. The Treble keyboard and chord/bass buttons are velocity-sensitive, while the bellows controller provides more articulation possibilities than any other MIDI keyboard, MIDI wind instrument, etc., you may know.

FR-3x WHITE

The exclusive, special edition, pearl-white FR-3x piano-type is the star of the piano-keyboard V-Accordion series. Lightweight, compact, and equipped with the same features as the standard FR-3x piano-type, the "WHITE" model looks gorgeous, with a beautifully decorated bellows and genuine leather and Alcantara® straps. With 37 velocity-sensitive keys, 120 velocity-sensitive bass buttons (6 bass & chord modes and 5 free bass modes to suit your playing style), super realistic traditional accordion and orchestra sounds, this bellows instrument feels truly "real", while providing a host of digital advantages: perfect flexibility, MIDI, a headphone socket, and a metronome, to name but a few.

- Pearl White coloured cabinet
- Two-toned bellows: white/purple red
- Shoulder strap: leather/Alcantara®
- Bass Strap: leather/Alcantara®
- Bellows Clips: leather
- Back pad: Alcantara®

All other features of the FR-3x piano-type WHITE are the same as those of the FR-3x piano-type.

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Shoulder straps: leather/ Alcantara®

Two-toned bellows: white/purple red

Bellows Clips: leather

FR-2 ENTRY CLASS

V-Accordion delight!

FR-2 connections

Bellows resistance regulator

8 AA type rechargeable batteries

The new Roland FR-2 V-Accordion has the look and the feel of a traditional accordion but the heart beating inside gives you all the advantages of digital control. It is provided with a 34-note piano-type treble keyboard and 96 velocity-sensitive bass buttons (6 bass & chord modes to suit your playing style). The true tone and characteristics of the best accordions have been enriched with a wide palette of the other instruments, from percussion to bass, organ, strings etc…, to provide wider tonal choice. Just one FR-2 can perform like a quartet such as bass, guitar, drum and accordion.

Free Bass Mode and Bass to Treble Mode for even more flexibility.
The FR-2 gives you much more freedom in your performance, thanks to the Free Bass mode, which is chiefly used by musicians who want to play melodies and form their own chords with their left-hand (Bass&Chord section). A free bass system (5 free bass registers and 5 orchestral free bass registers) uses a button board of single-note buttons with a range of three octaves or more.
With the Bass to Treble Mode the FR-2 can be used like a "Bassoon accordion". In this mode the bass part is played with the right hand (the bass and chord buttons are inactive).

Lightweight champion
Lightweight and flexible, the FR-2 stands out for its portability. Whether you are a student or a professional musician, at home or on stage, your back will definitely thank FR-2!

You have got the power
Instead of included AC adapter, more than 5 hours of battery life (sold separately) set you free in any situation. In case you run out of the power, any 8 AA type rechargeable batteries (the most common to find) will do the job.

User Program
The FR-2 contains 8 memories (User Programs) where you can store your function settings. Working with those memories has the advantage that you can recall frequently used settings at the press of a button.

Pad Function
Switch to PAD FUNCTION and the 5xPADS (above the Bass Registers bottons) become a powerful tool-now you can add percussion sounds to your bassline and Chord, or use them as drumpads, and even record and play a rhythm on the fly in the Loop Playback mode.

Connections
The many connection options of the FR-2 allow you to perform in any situation (Headphones Jack, Output Jack, MIDI connector OUT/IN).

Make your FR-2 unique!
The FR-2 comes with 5 variations of inlay sheets which enable owners to change the appearance of their FR-2 from time to time by changing these sheets. The player can also create his/her own custom designed inlay sheets using their PC and printer, or by using any kind of commercially designed paper.

FR-1 JUNIOR CLASS

Small Size and Big Performance
Sound quality, small size, attractive price. The FR-1 piano type sets a new standard in learning and live performance in only 5.5 kg.
Moreover it is provided with a 26-note piano-type treble keyboard and 72 velocity-sensitive bass buttons (6 bass & chord modes to suit your playing style).

Free Bass Mode and Bass to Treble Mode for even more flexibility.
The FR-1 gives you much more freedom in your performance, thanks to the Free Bass mode, which is chiefly used by musicians who want to play melodies and form their own chords with their left-hand (Bass&Chord section).
A free bass system (3 free bass registers and 3 orchestral free bass registers) uses a button board of single-note buttons with a range of three octaves or more.
The FR-1 can be used like a "Bassoon accordion". In this mode the bass part is played with the right hand (the bass and chord buttons are inactive).

Ideal for students...
Thanks to its small dimensions, the FR-1 is perfect for young beginners and music schools.

...and for performers
Compact, but with no compromise on sound quality, the FR-1 is ideal for stage performers and keyboardists. Thanks to its long battery life, the player can walk easily on stage without worrying about time. 8 x AA type 2000mAH Ni-MH Batteries will give you more than 5 hours of playing time, so time is certainly not a problem when you are playing the FR-1!

Make your FR-1 unique!
The FR-1 comes with 5 variations of inlay sheets which enable owners to change the appearance of their FR-1 from time to time by changing these sheets. The player can also create his/her own custom designed inlay sheets using their PC and printer, or by using any kind of commercially designed paper.

Advanced musical expression
With the FR-1 you can simulate up to 7 different Accordions each including 8 Treble registers, 3 Bass registers, 3 Orchestra Bass registers, 3 Orchestra Chord registers, 3 Free Bass registers, 3 Orchestra Free bass registers, 4 Orchestra sounds. Also, with the innovative presence of 4 Organ presets (Harmonic Bar) with rotary effect, you can produce amazing organ sounds as well! You can now even play to your own beat, adding percussion sounds with the bass & chord buttons!

Inlay sheets

The good-quality inner earphones are included in the FR-1 package to allow playing accordion immediately after opening the box.

V-Accordion Line-up Button-type Treble Keyboard Models

Ludovic Beier

Roland is pleased to introduce another milestone in digital musical instrument history– the V-Accordion with button type treble keyboard. This line-up is the first to successfully integrate cutting-edge digital technology, such as our proprietary "Physical Behaviour Modelling" (PBM), into a traditional accordion design, offering performance features and authentic sounds perfect for a wide range of musical styles.
The Roland V-Accordion series of button type instruments comprises 4 models and 4 colour variations: FR-7x (black, red), FR-7x WHITE, FR-3x (black), FR-3x WHITE, FR-2 (grey, white), FR-1 (white). The flagship, the FR-7x, provides 92 button velocity-sensitive button-type keyboard, 120 bass buttons, 80 Accordion sets, and a Master bar. The lightweight and portable FR-3x is fitted with 92 button velocity-sensitive button-type keyboard. How about treating yourself to something exclusive? With WHITE, you are sure to stand out from the crowd: the elegant pearl-white cabinet and gorgeously decorated bellows are complemented with highly attractive accessories (shoulder straps, bass strap, back pad and bellows clips) made of real leather and Alcantara®.
Lightweight and flexible the FR-2b and the FR-1 button type, are ideal for young students and stage performers. With their sound quality, small size, attractive price, they set a new standard in learning and live performance.

The treble-button modes (C-Griff Europe, C-Griff 2, B-Griff Bajan, B-Griff Fin, D-Griff 1, D-Griff 2) allow players to use the system they have grown accustomed to. After all, the button keyboard layouts of acoustic accordions are as divers as the sounds themselves.

The V-Accordion offers selectable Bass & Chord modes (7 modes: 2 Bass Rows, 3 Bass Rows A7th, 3 Bass Rows A5dim, 3 Bass Rows B7th, 3 Bass Rows B5dim, 3 Bass Rows Belgium) and Free Bass modes (5 modes: Minor 3rd, Bajan, Fifth, N.Europe, Finnish).

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Roland
V-Accordion

FR-7xb TOP CLASS

total flexibility

LCD display

Bellows Resistance Regulator

USB Flash Memory

Fast response and high sensitivity
Thanks to Roland's newly-developed sound generator, which is optimized for Accordion performance, the FR-7x will satisfy the most demanding accordion players. You will be impressed by the fast response of the keys/buttons, the higher sensitivity and precision, and the detection of bellows opening/closing with new bellows pressure-sensor circuitry. Thanks to this new technology, accordionists can feel perfectly at ease when playing their music, especially once they have experienced the enhanced response of this instrument.

Super Realistic Accordion Simulations
The FR-7x has 92 buttons, velocity-sensitive, with 6 treble button modes (C-Griff Europe, C-Griff 2, B-Griff Bajan, B-Griff Fin, D-Griff1, D-Griff 2), 120 velocity-sensitive bass buttons (6 bass & chord modes and 5 free bass modes to suit your playing style) and can simulate up to 80 different accordion instruments each including 14 treble registers, 26 orchestral sounds, 7 bass & chord registers, 7 free bass registers, 7 orchestral free bass, 7 orchestral bass registers, and 7 orchestral chord registers. Thanks to the Bass to Treble mode the FR-7x can be used like a "Bassoon Accordion". In this mode the bass part is played with the right hand (the bass and chord buttons are inactive). Moreover the programmable Drum function allows you to play percussion sounds with the Bass & Chord buttons. There's even a unique Bellows Resistance Regulator that can be set to match the player's strength or preference. Increasing or decreasing the bellow's inertia is simply a matter of selecting one of four positions on a conveniently located wheel.

...and organ simulations
Thanks to the Virtual Tone Wheel sound engine, the FR-7x allows you to play amazing organ sounds, by using Treble (upper), Chord/Free Bass (lower) and Bass (pedal) sections.
Virtual Tone Wheel controls will allow you to personalize your organ sounds to satisfy every musical genre.

USB host port onboard
Easy data storage, handy customization of V-Accordion sound-sets to satisfy special accordion/orchestra demands from different countries, and easy to upload software versions, thanks to the USB Flash Memory. What's more, you can manage MP3 and Wav files and even record your performances in Wav format on the optional USB Flash Memory. Playback and record functions are perfect for educational use, and enhance live performance too.

Battery-powered instrument with built-in speakers
Though the FR-7x is a fully digital instrument, it's also an all-in-one instrument, i.e. you do not need to connect it to any amplifier to produce sounds. Its onboard amplification system is powerful enough for small venues, restaurants, pubs…
Furthermore, the FR-7x comes with a rechargeable battery, so that you do not need to connect it to a power outlet. It goes far beyond the control possibilities of a MIDI keyboard with optional performance functions.

FR-7xb WHITE

The exclusive, special edition, pearl-white FR-7x button-type is the star of the button-keyboard V-Accordion series. Lightweight, compact, and equipped with the same features as the standard FR-7x button-type, the "WHITE" model looks gorgeous, with a beautifully decorated bellows and genuine leather and Alcantara® straps. With 92-button keyboard with 6 treble button modes (C-Griff Europe, C-Griff 2, B-Griff Bajan, B-Griff Fin, D-Griff1, D-Griff 2) and 120 velocity-sensitive bass buttons (7 bass & chord modes and 5 free bass modes to suit your playing style), super realistic traditional accordion and orchestra sounds, this bellows instrument feels truly "real", while providing a host of digital advantages: perfect flexibility, MIDI, a headphone socket, and a metronome, to name but a few.

- Pearl White coloured cabinet
- Two-toned bellows: white/purple red
- Shoulder strap: leather/Alcantara®
- Bass Strap: leather/Alcantara®
- Bellows Clips: leather
- Back pad: Alcantara®

All other features of the FR-7x button-type WHITE are the same as those of the FR-7x button-type.

Alcantara® is a registered trademark of Alcantara Spa, Italy.

Shoulder straps: leather/ Alcantara®

Two-toned bellows: white/purple red

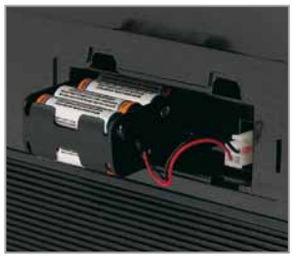
Bellows Clips: leather

FR-3x COMPACT CLASS

compact is better

LCD display

USB host port on board



Compartment for optional AA-type batteries (rechargeable)

The perfect combination of the familiar sounds and nuances of a traditional accordion combined with the advantages of a versatile digital instrument. Thanks to the new bellows pressure sensing circuitry, the FR-3x grants faster response and higher sensitivity and precision plus detection of bellows opening/closing. The USB host allows to customize orchestra and accordion sounds and to save/load user program data, while the bellows resistance regulator allows to control the handiness of the bellows. Lightweight and portable the FR-3x is perfect for students, accordion hobbyists, but also stage performers.

- Faster response and higher sensitivity of the bellows thanks to the new bellows sensor.
- Bellow Resistance Regulator to adjust the bellows'inertia.
- USB Flash Memory connector to store/upload your settings and manage MP3 and Wav files.
- Powerful onboard amplification system.
- Super realistic accordion simulations.
- Drum parts to be played with your left hand.
- MIDI external control.
- It can be powered using 10 commercially available rechargeable Ni-MH batteries.

Sophisticated bellows response
Faster response and higher sensitivity and precision plus detection of bellows opening/closing with new bellows pressure sensing circuitry. A bellows resistance regulator knob allows you to adjust the bellows' inertia to your preference.

Super realistic accordion simulations
All sounds the FR-3x produces were obtained by sampling popular traditional acoustic accordions.
This V-Accordion allows you to switch from an Italian jazz accordion to German folk, French musette or Russian bajan sound – without changing your technique. Also the Virtual Tone Wheel is available to play amazing organ sounds in almost the same way as an organ player using the treble section. You can add a rotary effect (slow/fast). Besides enjoy using the FR-3x to play simply drum parts with your left hand (bass and chord sections).

Stand-alone electronic instrument
Though the FR-3x is a fully electronic instrument, you do not need to connect it to an amplifier in order to produce sounds. Its onboard amplification system is for small venues, restaurants, etc.
The FR-3x can also be powered using 10 commercially available rechargeable Ni-MH batteries, so that you don't need to connect it to a wall outlet.

Save your settings to a USB storage device
You can save your settings by connecting an optional USB memory to the FR-3x's USB port. Also the USB host allows you to customize orchestra and accordion sounds and to save/load the user program data. What's more, you can play MP3 and Wav files

Superb performance flexibility
The FR-3x allows you to control external MIDI-compatible instruments. The Treble keyboard and chord/bass buttons are velocity-sensitive, while the bellows controller provides more articulation possibilities than any other MIDI keyboard, MIDI wind instrument, etc., you may know.

FR-3x WHITE

The exclusive, special edition, pearl-white FR-3x button-type is the star of the button-keyboard V-Accordion series. Lightweight, compact, and equipped with the same features as the standard FR-3x button-type, the "WHITE" model looks gorgeous, with a beautifully decorated bellows and genuine leather and Alcantara® straps. With 92-button keyboard with 6 treble button modes (C-Griff Europe, C-Griff 2, B-Griff Bajan, B-Griff Fin, D-Griff1, D-Griff 2) and 120 velocity-sensitive bass buttons (6 bass & chord modes and 5 free bass modes to suit your playing style), super realistic traditional accordion and orchestra sounds, this bellows instrument feels truly "real", while providing a host of digital advantages: perfect flexibility, MIDI, a headphone socket, and a metronome, to name but a few.

- Pearl White coloured cabinet
- Two-toned bellows: white/purple red
- Shoulder strap: leather/Alcantara®
- Bass Strap: leather/Alcantara®
- Bellows Clips: leather
- Back pad: Alcantara®

All other features of the FR-3x button-type WHITE are the same as those of the FR-3x button-type.

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Shoulder straps: leather/ Alcantara®

Two-toned bellows: white/purple red

Bellows Clips: leather

FR-2b ENTRY CLASS

V-Accordion delight!

Headphones

PADs buttons

Inlay sheets

The new Roland FR-2b V-Accordion has the look and the feel of a traditional accordion but the heart beating inside gives you all the advantages of digital control. It is provided with 82-button keyboard with 6 treble button modes (C-Griff Europe, C-Griff 2, B-Griff Bajan, B-Griff Fin, D-Griff1, D-Griff 2) and 96 velocity-sensitive bass buttons (6 bass & chord modes to suit your playing style). The true tone and characteristics of the best accordions have been enriched with a wide palette of the other instruments, from percussion to bass, organ, strings etc…, to provide wider tonal choice. Just one FR-2b can perform like a quartet such as bass, guitar, drum and accordion. You can easily change the note assignments to the button keys and select the preset that suits your playing style. You can even unscrew the black and white treble buttons and install them in the right places so that the button layout corresponds to the notes being played.

Free Bass Mode and Bass to Treble Mode for even more flexibility

The FR-2b gives you much more freedom in your performance, thanks to the Free Bass mode, which is chiefly used by musicians who want to play melodies and form their own chords with their left-hand (Bass&Chord section). A free bass system (5 free bass registers and 5 orchestral free bass registers) uses a button board of single-note buttons with a range of three octaves or more. With the Bass to Treble Mode the FR-2b can be used like a "Bassoon accordion". In this mode the bass part is played with the right hand (the bass and chord buttons are inactive).

Lightweight champion

Lightweight and flexible, the FR-2b stands out for its portability. Whether you are a student or a professional musician, at home or on stage, your back will definitely thank FR-2b!

You have got the power

Instead of included AC adapter, more than 5 hours of battery life (sold separately) set you free in any situation. In case you run out of the power, any 8 AA type rechargeable batteries (the most common to find) will do the job.

User Program

The FR-2b contains 8 memories (User Programs) where you can store your function settings. Working with those memories has the advantage that you can recall frequently used settings at the press of a button.

Pad Function

Switch to PAD FUNCTION and the 5xPADS (above the Bass Registers bottons) become a powerful tool-now you can add percussion sounds to your bassline and Chord, or use them as drumpads, and even record and play a rhythm on the fly in the Loop Playback mode.

Connection

The many connection options of the FR-2b allow you to perform in any situation. Headphones: Now you can practice at any hour, without disturbing the neighbours or those around you. Line output: Of course you can plug into the PA as usual, but you could use a wireless transmitter to leave you free to walk around on stage as amongst the audience and make your performance more visually exciting. MIDI: We live in a digital world and MIDI is the digital instrument's language. You can play external keyboards and expanders, record your music on a sequencer or connect to an Arranger Keyboard/Module to turn your V-Accordion into a whole band at your fingertips.

Make your FR-2b unique!

The FR-2b comes with 5 variations of inlay sheets which enable owners to change the appearance of their FR-2b from time to time by changing these sheets. The player can also create his/her own custom designed inlay sheets using their PC and printer, or by using any kind of commercially designed paper.

FR-1 JUNIOR CLASS

Small Size and Big Performance
Sound quality, small size, attractive price. The FR-1 button type sets a new standard in learning and live performance in only 5.5 kg.
Moreover it is provided with a 62 button keyboard with 6 treble button modes (C-Griff Europe, C-Griff 2, B-Griff Bajan, B-Griff Fin, D-Griff1, D-Griff 2) and 72 velocity-sensitive bass buttons (6 bass & chord modes to suit your playing style). You can easily change the note assignments to the button keys and select the preset that suits your playing style. You can even unscrew the black and white treble buttons and install them in the right places so that the button layout corresponds to the notes being played.

Free Bass Mode and Bass to Treble Mode for even more flexibility
The FR-1 gives you much more freedom in your performance, thanks to the Free Bass mode, which is chiefly used by musicians who want to play melodies and form their own chords with their left-hand (Bass&Chord section).
A free bass system (3 free bass registers and 3 orchestral free bass registers) uses a button board of single-note buttons with a range of three octaves or more.
The FR-1 can be used like a "Bassoon accordion". In this mode the bass part is played with the right hand (the bass and chord buttons are inactive)

Ideal for students...
Thanks to its small dimensions, the FR-1 is perfect for young beginners and music schools.

...and for performers
Compact, but with no compromise on sound quality, the FR-1 is ideal for stage performers and keyboardists. Thanks to its long battery life, the player can walk easily on stage without worrying about time. 8 x AA type 2000mAH Ni-MH Batteries will give you more than 5 hours of playing time, so time is certainly not a problem when you are playing the FR-1!

Make your FR-1 unique!
The FR-1 comes with 5 variations of inlay sheets which enable owners to change the appearance of their FR-1 from time to time by changing these sheets. The player can also create his/her own custom designed inlay sheets using their PC and printer, or by using any kind of commercially designed paper.

Advanced musical expression
With the FR-1 you can simulate up to 7 different Accordions each including: 8 Treble registers, 3 Bass registers, 3 Orchestra Bass registers, 3 Orchestra Chord registers, 3 Free Bass registers, 3 Orchestra Free bass registers, 4 Orchestra sounds. Also, with the innovative presence of 4 Organ presets (Harmonic Bar) with rotary effect, you can produce amazing organ sounds as well!
You can now even play to your own beat, adding percussion sounds with the bass & chord buttons!

Inlay sheets

The good-quality inner earphones are included in the FR-1 package to allow playing accordion immediately after opening the box.

FR-7x piano-type, FR-7x button-type SPECIFICATIONS	
Keyboard, Bass & Bellows	
Right hand	FR-7x piano-type: 41 piano-type keys, velocity-sensitive, with aftertouch. FR-7x button-type: 92 buttons, velocity-sensitive, Master Bar with aftertouch
Left hand	120 bass buttons, velocity-sensitive
Treble Mode (only button type)	C Griff Europe, C Griff 2, B Griff Bajan, B Griff Fin, D Griff 1, D Griff 2
Bass&Chord Mode	2 Bs Rows, 3 Bs Rows A-7th, 3 Bs Rows A-5dim, 3 Bs Rows B-7th, 3 Bs Rows B-5dim, 3 Bs Rows Belgium
Free Bass Mode	Minor 3rd, Bajan, Fifth, North Europe, Finnish
Bellows	Real pneumatic detection by a high-resolution pressure sensor, Bellow curve (Fixed low, Fixed Med, Fixed High, X-light,Standard, Heavy, X-Heavy, Bellows Resistance Regulator
Sound source	
Tones (Accordion Set)	80 user-programmable accordion sets. Each accordion set includes: 14 Treble registers, 7 Bass/Chord registers, 7 Free Bass registers, 7 Orchestral Free Bass registers, 7 Orchestral Bass registers, 7 Orchestral Chord registers, 49 Orchestral sounds (26 Realtime), 128 Drum sounds
Treble Reed Footages	7 Treble, 5 Bass, 3 Chord, 2 Free Bass
Orchestral sounds	
26: Trumpet, Trombone, Alto Sax, Tenor Sax 2, Clarinet, Oboe, Harmonica, Muted Harm, Violin, Pizzicato, Flute 1, Pan Flute, Highland, Zampogna, Typljazz, Blues, America, Popular, Jazz Scat 1, Strings, Mandolin, Vibe, Acoustic Guitar, Nylon & Steel, Acoustic Piano, El. Piano.	
Orchestral Bass sounds	
7: Acoustic, Bowed, Fingered, Picked, Fretless, Tuba, Tuba Mix	
Orchestral Free Bass sounds	
7: Trombone, Clarinet, Oboe, Flute, Perc Organ, Ac Guitar, Ac Piano	
Orchestral Chord sounds	
7: Trombone, Tenor Sax, Clarinet, Trem. Organ, Voice, AC Guitar, AC Piano	
Organ sounds	
Organ Sounds: 32 presets x Treble, Chord and FreeBass sections, 16 presets x Bass section (up to 26 Virtual Tone Wheel combination customizable, can be controlled and shaped by bellows), 1 user Memory for each registers.	
PBM (Physical Behaviour Modelling)	
Noises	Stopping-reed growl, closing valve noise, left button noise
Individual Reed Simulation	Hysteresis threshold, expression curve, pressure variant filter, pressure variant pitch deviation
Reed waveform switching	By bellows acceleration, by note repetition speed
Musette Tuning	
Micro-Tuning Presets	16: (Off, Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/H, French, Scottish)
Effects	
Reverb/Chorus/Delay	8 types, 8 types, 10 types
Rotary for orchestral organ sound	Slow/Fast with Vibrato, Chorus, Overdrive and VK-Rotary
"Cassotto" and "Sordina" Simulation	Yes
Operation mode	
Octave	1/0/+1 Treble; -3/0/+3 Orchestra, Orchestra Bass, Orchestra Chord, Orchestra Free Bass
Orchestra Link	Orchestra, Bass/Free Bass, Orchestra Bass, Orchestra Chord, Orchestra Free Bass
Percussion Sounds	For Bass/Orch Bass (2 rows), Chord/Orchestra Chord (4 rows)
Orchestra mode	Solo, Dual, Low, High, Solo M, Dual M, Low M, High M, Low M Trb, High M Trb, Low Trb, High Trb
Orchestra Layer	Layer Timbre (2 orchestra sounds)
Orchestra Chord Guitar Mode	Gtr Table1, Gtr Table2, Gtr Table3
Midi functions	
Ext. Seq. Playback (MIDI In)	Treble, Bass & Chord, Orchestra, ALL (local Off function)
Send PC (MIDI OUT)	1-512 Program Change to control Patch, Sound of MIDI devices
Start/Stop MIDI TX	Send Start/Stop by pushing Alpha dial
Others	
Display	128 x 64 OLED type
MP3 player	MP3/WAVE player from USB memory
Wave recorder	On USB memory
Wave Expansion	2 internal areas (8Mb each) to load new sounds
Rated Power Output	2 x 25W RMS
Speakers	10cm x 2 speakers (using Neodymium Transducer Magnets), Tweeters x 2
Onboard Connectors	Headphone jack (stereo), Output jack: L/Mono (Treble), R/ Mono (Bass), Multi connector (to FBC-7), USB host
Power supply	Rechargeable Ni-MH battery pack, 24V-4500mAh, External FBC-7 power supply/battery charger: AC117V, AC 230V, AC 240V(50/60hz), AC 220V (60Hz)
Supplied Accessories	FBC-7 (Power supply/Battery Charger), Owner's Manual, Straps, Accordion cloth, Bass Reference caps, Treble Reference caps (only FR-7x button type), Power cable, 19-pin Multicore cable, Rechargeable Ni-MH battery pack 24V-4500mAh
External FBC-7 Specifications	5 Programmable Foot switches (Set Up/Down, Register Up/Down, Sustain), Multi connector (towards Accordion), Expression Pedal jack, MIDI connectors (In, Out, Thru), Output jacks (L/Mono, R), AC Inlet
Optional Accessories	V-Accordion Gigbag, FBC-7 Gigbag, Headphones RH-200, Headphones RH-300, AMC-4 (Audio/Midi cable), AAP-1 (Music Rest and Throne)
Colour Variation	Black, Red, White
Size and Weight	
Size	FR-7x piano-type: 528 (W) x 275(D) x 423 (H) mm; 20-13/16 (W) x 10-7/8 (D) x 16-11/16 (H) inches. FR-7x button-type: 506 (W) x 270 (D) x 405 (H) mm; 19-15/16 (W) x 10-11/16 (D) x 16 (H) inches
Weight	FR-7x piano-type:11.5 kg; 25 lbs. 6 oz. FR-7x button-type: with battery, without straps: 11.7 kg; 25 lbs. 13 oz.

FR-3x piano-type/FR-3x button-type SPECIFICATIONS	
Keyboard, Bass & Bellows	
Right hand	FR-3x piano-type, FR-3x piano-type WHITE: 37 keys, velocity-sensitive FR-3x button-type, FR-3x button-type WHITE: 92-buttons, velocity-sensitive
Left hand	120 velocity-sensitive bass buttons
Bass&Chord Mode	2 Bs Rows, 3 Bs Rows A-7th, 3 Bs Rows A-5dim, 3 Bs Rows B-7th, 3 Bs Rows B-5dim, 3 Bs Rows Bx
Treble Modes (only button type)	C Griff Europe, C Griff 2, B Griff Bajan, B Griff Fin, D Griff 1, D Griff 2
Free Bass Mode	Minor 3rd, Bajan, Fifth, North Europe, Finnish
Bellows	New sensor for the detection of bellows pressure (high-resolution pressure sensor); Bellows Resistance Regulator (wheel with fine adjustment)
Sound source	
Tones (Accordion Set)	21 accordion Set + 4 User Set, each including: 14 Treble registers, 7 Bass registers, 7 Free Bass registers, 7 Orchestra Bass registers, 7 Orchestra Chord registers, 7 Orchestra Free Bass registers, 10 orchestral sounds, 10 organ sounds
Reed Footages	4 Treble, 5 Bass, 3 Chord, 2 Free Bass
Max polyphony	128 voices
Orchestral sounds	
10: Trombone, Trumpet, T Sax, A Sax, Clarinet, Harmonica, Violin, Flute, El. Piano, Strings	
Orchestral Bass sounds	
7: Acoustic, Bowed, Fingered, Fretless, Picked, Tuba, Tuba Mix	
Orchestral Free Bass sounds	
7: Trombone, Clarinet, Oboe, Flute, Perc Organ, Ac Guitar, Ac Piano	
Orchestral Chord sounds	
7: Trombone, Alto Sax, Clarinet, Jazz Organ, Jazz Doos, Ac. Guitar, Ac. Piano	
Organ Sounds	
10: Perc Jazz, Jazz Ballad, Distort Organ, Full Organ, Overdr Organ, Popular Organ, Ligh Jazz, Bossa, Latin, Light Latin	
PBM (Physical Behaviour Modelling)	
Noises	Stopping-reed growl, closing valve noise, left button noise
Individual Reed Simulation	Hysteresis threshold, expression curve, pressure variant filter, pressure variant pitch deviation
Reed sound wave switching	By bellows acceleration, by note repetition speed
Musette Tuning	
Micro-Tuning Presets	16: Off, Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/H, French, Scottish
Effects	
Reverb/Chorus	8 types, 8 types
Rotary for organ sounds	Slow/Fast
"Cassotto" and "Sordina" Simulation	Yes
Panel Controls	
Knobs	VOL, Treble/Bass BAL, Reverb, Chorus Panel Switches: 10 Treble registers + Set, 7 Bass registers, USER PROGRAM button, ORGAN/ORCHESTRA, SORDINA switch, POWER switch
Operation Modes	
Orchestra/Organ Modes	Solo, Dual, High, Low
Wave/MP3 player	Play/Pause, Stop/Reset
Bass to Treble	On/Off
Bass&Chord Drum Link	On/Off
Octave	Down, 0, Up (for Treble and Orchestra) 10 User Program memories
Others	
Display	LED, 3 x 7 segments
Wave Expansion	2 internal areas (8Mb each) to load new sounds
Rated Power Output	2 x 11W RMS
Speakers	2 x 10cm speakers (Neodymium transducer magnets)
Power supply	Batteries (AA-type rechargeable Ni-MH x 10 (Battery operation: - 8-hour operation in speaker OFF mode / - 5-hour operation in speaker ON mode), Supplied PSB-7U adaptor: AC117V, 220V, 230V, 240V
Onboard Connectors	OUTPUT sockets (L/Mono, R/Mono), PHONES socket USB memory port, MIDI OUT/IN socket (function adjustable via MIDI parameter), DC IN socket: for supplied Roland PSB-7U adaptor
Supplied Accessories	External AC adapter, Owner's Manual, Reference caps for the bass buttons, Reference caps for the treble buttons (FR-3x button-type), Accordion cloth, Straps, Battery holder (pre-installed in compartment)
Optional Accessories	V-Accordion soft bag, Headphones RH-200, Headphones RH-300, AMC-3 (Audio/Midi cable), AAP-1 (Music Rest and Throne)
Colour variation	Black, White
Size and Weight	
Size	FR-3x piano-type, FR-3x piano-type WHITE: 430 (H) x 481(W) x 270 (D) mm; 16-15/16 (H) x 18-15/16 (W) x 10-11/16 (D) inches. FR-3x button-type, FR-3x button-type WHITE: 390 (H) x 470 (W) x 240 (D) mm; 15-3/8 (H) x 18-9/16 (W) x 9-1/2 (D) inches.
Weight	FR-3x piano-type, FR-3x piano-type WHITE: 8.3 kg; 18 lbs. 5 oz. FR-3x button-type, FR-3x button-type WHITE: 8.0 kg; 17 lbs. 11 oz.

FR-2, FR-2b SPECIFICATIONS	
Keyboard Bass & Bellows	
Right hand	FR-2: 34 piano-type keys, velocity sensitive (starting at a G key); FR-2b: 82 buttons, velocity sensitive.
Left hand	FR-2/FR-2b: 96 velocity-sensitive bass buttons.
Treble Mode (only FR-2b)	C Griff Europe, C Griff 2, B Griff Bajan, B Griff Fin, D Griff 1, D Griff 2
Bass&Chord Mode	2 Bs Rows, 3 Bs Rows A-7th, 3 Bs Rows A-5dim, 3 Bs Rows B-7th, 3 Bs Rows B-5dim, 3 Bs Rows Bx
Free Bass Mode	Minor 3rd, Bajan, Fifth, North Europe, Finnish
Bellows	Real pneumatic detection of bellows pressure (high-resolution pressure sensor) Bellows Resistance Regulator.
Sound source	
Tones (Accordion Set)	10 Treble registers, 5 Bass & Chord registers, 5 Free Bass registers, 5 Orchestra Bass registers, 5 Orchestra Chord registers, 6 Orchestra sounds, 5 Orchestra Free Bass sounds.
Reed Footages	4 Treble, 5 Bass, 3 Chord, 2 Free Bass
Max polyphony	128 voices
Orchestral sounds	
6: Violin, Strings, Sax, A-Sax, Flute, Organ	
Orchestral Bass sounds	
5: Acoustic, Bowed, Fingered, Fretless, Tuba Mix	
Orchestral Chord sounds	
5: St. Strings, Chorus Organ, Steel Guitar, St. Orch Brass, Choir	
Orchestral Free Bass sounds	
5: Strings, Clarinet, Flute, Organ, Choir	
PBM (Physical Behaviour Modelling)	
Noises	Stopping-reed growl, closing valve noise, left button noise.
Individual Reed Simulation	Hysteresis threshold, Expression curve, pressure-variant filter, pressure-variant pitch deviation.
Reed sound wave switching	By bellows acceleration, by note repetition speed.
Musette Tuning	
Micro-Tuning Presets	16 (Off, Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/H, French, Scottish).
Effects	
Reverb/Chorus	8 types, 8 types.
Panel Controls	
Knob Controls	Volume/Power - Registers: 5x Treble + 3x Orchestra, Set, 5x Bass.
Buttons	Orch Bass, Orch Chord, Left Register, Pad/Default, Rec/Loop, Song/Demo, User Prog/Dec, Metronome/Inc.
Operation mode	
User Program	8 User Program
Octave	Down (-), 0, Up (+) (for Treble, Orchestra and Organ).
PAD	8 preset, Drum/Percussion sets
Rec/Loop	Percussion phrase recording function
Bass to Treble	On/Off
Song function	8 preset songs with selectable mute function for left- or right-hand part.
Power supply	
External AC adapter (100V~240V universal) or optional batteries.	
Power consumption	
500mA	
Battery (optional)	
8 x AA type NI-MH 2500 batteries, +_5hours. *This varies depending on the actual conditions of use.	
Others	
Connectors	Headphones jack (Stereo).
Output Jack	L/Mono (Treble), R/Mono (Bass) MIDI connector OUT/IN (adjustable via MIDI parameter), DC IN socket
Metronome	On, Off, Time Signature: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8, 9/8; Tempo: 20-250
Level	Off, Low, Medium, High.
Size and Weight	
Size (mm)	FR-2: 426 (H) x 472 (W) x 244 (D) mm; 16-3/4 (H) x 18-9/16 (W) x 9-5/8 (D) inches. FR-2b: 389 (H) x 472 (W) x 247 (D) mm; 152-15/16 (H) x 18-9/16 (W) x 9-3/4 (D) inches.
Weight	Weight (without straps or optional batteries): FR-2: 7.5kg; 16 lbs. 9 oz. - FR-2b: 7.5kg; 16 lbs. 9 oz.
Supplied Accessories	
1/4" phone (guitar) cable, Earphones (with 1/8" → 1/4" adaptor plug), External AC adaptor, Owner's Manual, Reference caps for the treble buttons (button-type), Strip for securing the adapter, MIDI and/or audio cables, Hexagonal wrench, Straps, Battery holder (pre-installed in compartment) Replaceable "traforo" inlay sheets: 5.	
Optional Accessories	
Colour variation	Grey, White
BAG-FR-3	Gigbag
CM-30	Cube Monitor
MOBILE CUBE	Stereo Amplifier
CUBE street	Stereo Amplifier
SA-300	Stage Amplifier
AMC-3	Audio/Midi cable
AAP-1	Music Rest and Throne

The History
Past and future

Around the middle of the 19th century, a new concept that involved a bellows and a free-reed mechanism was developed in Central Europe. It heralded the introduction of a totally new instrument - the acoustic accordion. Since then, its unique character, portability, and variety of sounds have made the accordion a tremendously popular instrument all over the world. Due to its complex mechanism and portability, the acoustic accordion long appeared an instrument that couldn't be improved using digital technology. Until Roland introduced the V-Accordion series - the first instruments of their kind to provide powerful digital modelling technology in a traditional, immediately familiar, accordion design, and with performance functions and authentic sounds that appealed to a wide range of players.

Digital Advantages

The V-Accordion combines the familiar sounds and nuances of a traditional accordion with the versatility of a modern digital musical instrument.
You can instantly select and switch between a wide range of sounds and/or types of accordions, or create your own unique timbres and tuning systems. You can plug directly into an external sound system or recording device, while the headphone socket is ideal for silent practice. Moreover, the V-Accordion combines velocity-sensitive keyboards and a high-resolution bellows pressure sensor, to create a whole new level of expressiveness.
Using the Dual, High or Low mode, you can control up to 2 parts simultaneously in real time from the V-Accordion's treble keyboard. Plus, the more you explore the V-Accordion's capabilities, the more creative options you'll discover.

FR-1 Piano & Button SPECIFICATIONS	
Keyboard, Bass & Bellows	
Right hand	FR-1 piano-type: 26 keys, velocity sensitive (starting at B key). FR-1 button-type: 62 buttons, velocity sensitive.
Left hand	FR-1 piano-type / button-type: 72 velocity-sensitive buttons.
Treble Mode (only FR-1 button)	C Griff Europe, C Griff 2, B Griff Bajan, B Griff Fin, D Griff 1, D Griff 2
Bass&Chord Mode	2 Bs Rows, 3 Bs Rows A-7th, 3 Bs Rows A-5dim, 3 Bs Rows B-7th, 3 Bs Rows B-5dim, 3 Bs Rows Bx
Free Bass Mode	Minor 3rd (37 notes Eb -Eb) Bajan (37 notes D- D) Fifth (36 notes C-C) N. Europe (37 notes D-C#) Finnish (37 notes D-D)
Bellows	Real pneumatic detection of bellows pressure (high-resolution pressure sensor), Bellows Resistance regulator.
Sound source	
Tones (Accordion Set)	7 accordion sets, each including: 8 Treble registers, 3 Bass registers, 3 Orchestra Bass registers, 3 Orchestra Chord registers, 3 Free Bass registers, 3 Orchestra Free Bass registers, 4 Orchestra sounds, 4 Organ sounds
Reed Footages	4 Treble, 5 Bass, 3 Chord, 2 Free Bass
Orchestral sounds	
4: Strings, Sax, Clarinet, Scat Voice	
Organ sounds	
4: Full, Jazz, R&B, Perc	
Orchestral Bass sounds	
5: Acoustic, Bowed, Tuba Mix	
Orchestral Chord sounds	
5: St. Strings, Chorus Organ, Steel Guitar	
Orchestral Free Bass sounds	
5: Strings, Clarinet, Choir	
PBM (Physical Behaviour Modelling)	
Noises	Stopping-reed growl, closing valve noise, left button noise.
Individual Reed Simulation	Hysteresis threshold, expression curve, pressure-variant filter, pressure variant pitch deviation.
Reed sound wave switching	By bellows acceleration, by note repetition speed.
Musette Tuning	
Micro-Tuning Presets	15 (Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/H, French, Scottish).
Effects	
Reverb/Chorus	8types, 8 types
Rotary	Slow/Fast (for organ sounds).
Panel Controls	
Knob Controls	Volume/Power, Registers: 4 x Treble, Orchestra, Organ, Set; 3x Bass, Free Bass, Orchestra Bass, Orchestra Chord, Orchestra Free Bass
Buttons	Orchestra/Organ, Orch Bass, Orch Chord, Left Register, Drums/Default, Song/Demo, User Prog/Dec, Metronome/Inc.
Operation mode	
User Program	4
Octave	Down(-), 0 Up (+) (for Treble, Orchestra and Organ)
Bass to Treble	On/Off
Song function	4 preset songs with selectable mute function for left-or right-hand part.
Drums	4 drum/percussion sets
Power supply	
Supplied External AC adapter (100V~240V universal) or optional batteries.	
Power consumption	
375 mA (using external adaptor).	
Battery	
(optional) 8 x AA type Ni-MH 2000 mAh – batteries ±5.5 hours. This varies depending on the actual conditions of use. Note: Carbon and alkaline batteries should not be used. Be sure to only use rechargeable Ni-MH AA-type batteries.	
Others	
Connectors	Headphones jack (Stereo).
Output Jack	L/Mono (Treble), R/Mono (Bass) MIDI connector OUT/IN (adjustable via Function parameter), DC IN socket.
Power Supply	External AC adaptor (100 ~ 240V, universal).
Metronome	Time Signature: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8, 9/8; Tempo: 20-250.
Level	Off, Low, Medium, High.
Size and Weight	
Size (mm)	FR-1 (piano-type): 395 (H) x 365 (W) x 195 (D) mm; 15-9/16 (H) x 14-3/8 (W) x 7-11/16 (D) inches. FR-1 (button-type): 375 (H) x 365 (W) x 195 (D) mm; 14-13/16 (H) x 14-3/8 (W) x 7-11/16 (D) inches.
Weight	FR-1 (piano-type) without straps and optional batteries: 5.5 kg; 12 lbs. 3 oz. FR-1 (button-type) without straps and optional batteries: 5.5 kg; 12 lbs. 3 oz.
Supplied Accessories	
1/4" phone (guitar) cable, Earphones (with 1/8" → 1/4" adaptor plug), External AC adaptor, Quick Start manual, CD-ROM with Owner's Manual, Reference caps for the treble buttons (button-type), Strip for securing the adapter, MIDI and/or audio cables, Hexagonal wrench, Straps, Replaceable "traforo" inlay sheets: 5.	
Optional Accessories	
Colour variation	White
BAG-FR-1	Accordion soft bag;
CM-30	Cube Monitor
CUBE street	Stereo Amplifier
SA-300	Stage Amplifier
Mobile Cube	Stereo Amplifier
AMC-3	Audio/Midi cable
AAP-1	Music Rest and Throne